

Title (en)  
PROCESS FOR PRODUCING HYDROGENATED PRODUCT OF CYCLIC OLEFIN POLYMER PREPARED THROUGH RING-OPENING POLYMERIZATION

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINES HYDROGENIERTEN PRODUKTS EINES DURCH RINGÖFFNUNG-POLYMERISATION HERGESTELLTEN CYCLISCHEN OLEFIN-POLYMERS

Title (fr)  
PROCÉDÉ DE PRODUCTION DE POLYMÈRE HYDROGÉNÉ DE CYCLO-OLÉFINE PAR POLYMÉRISATION PAR OUVERTURE DE CYCLE

Publication  
**EP 2270063 A2 20110105 (EN)**

Application  
**EP 10185192 A 20000531**

Priority

- EP 00931629 A 20000531
- JP 15267599 A 19990531
- JP 18437999 A 19990629

Abstract (en)  
A process for producing a hydrogenated product of a polymer prepared through ring-opening polymerization which comprises a polymerization step of polymerizing a cyclic olefin through ring-opening polymerization in the presence of a polymerization catalyst comprising an organoruthenium compound or an organoosmium compound to prepare a polymer, and a hydrogenation step of adding a hydrogenation catalyst and hydrogen into a polymerization system resulting from the polymerization step to hydrogenate the carbon-carbon double bonds of the polymer prepared through the ring-opening polymerization. When the organoruthenium compound- or organoosmium compound-containing catalyst further comprises a carbene compound, the catalyst exhibits a higher activity for the ring-opening polymerization.

IPC 8 full level  
**C08G 61/08** (2006.01)

CPC (source: EP US)  
**C08G 61/08** (2013.01 - EP US)

Citation (applicant)

- JP H05271326 A 19931019
- JP H0977853 A 19970325 - MITSUI TOATSU CHEMICALS
- JP H10195183 A 19980728 - BAYER AG
- JP H10195182 A 19980728 - BAYER AG
- JP S6466216 A 19890313 - HOECHST AG
- JP H07258318 A 19951009 - ASAHI CHEMICAL IND

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**EP 1197509 A1 20020417; EP 1197509 A4 20020918; EP 1197509 B1 20110706;** EP 2270063 A2 20110105; EP 2270063 A3 20131030; EP 2270063 B1 20160323; JP 2009287042 A 20091210; JP 4691867 B2 20110601; JP 4692668 B2 20110601; US 2003050406 A1 20030313; US 6486264 B1 20021126; US 6908970 B2 20050621; WO 0073366 A1 20001207

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**EP 00931629 A 20000531;** EP 10185192 A 20000531; JP 0003520 W 20000531; JP 2001500690 A 20000531; JP 2009211480 A 20090914; US 26524402 A 20021007; US 98020001 A 20011130